

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
6 October 2005 (06.10.2005)

PCT

(10) International Publication Number  
**WO 2005/092904 A1**

(51) International Patent Classification<sup>7</sup>: **C07F 9/40**,  
C07C 255/29, 255/10, 317/32, C07D 213/40, 317/60,  
307/54, C07F 7/02, A61P 35/00, 35/02, A61K 31/277,  
31/662, 31/36, 31/44, 31/341, 31/695, C07C 255/14,  
255/13, 255/34

(21) International Application Number:  
PCT/CA2005/000423

(22) International Filing Date: 22 March 2005 (22.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/556,972 26 March 2004 (26.03.2004) US  
60/649,211 2 February 2005 (02.02.2005) US

(71) Applicant (for all designated States except US): **HSC RESEARCH AND DEVELOPMENT LIMITED PARTNERSHIP** [CA/CA]; Suite 5270, 555 University Avenue, Toronto, Ontario M5G 1X8 (CA).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ROIFMAN, Chaim, M** [CA/CA]; 33 Christine Crescent, North York, Ontario M2R 1A4 (CA). **DEMIN, Peter** [CA/CA]; 414-40 High Park Avenue, Toronto, Ontario M6P 2S1 (CA). **FREY-WALD, Andrew** [CA/CA]; 735 New Westminster Drive, Unit 54, Thornhill, Ontario L4J 7Y9 (CA). **GRUNBERGER, Thomas** [CA/CA]; 63 Robingrove Road, Toronto, Ontario M2R 3A1 (CA). **ROUNOVA, Olga**

[RU/CA]; 414-40 High Park Avenue, Toronto, Ontario M6P 2S1 (CA). **SHARFE, Nigel** [CA/CA]; 62 Aziel Street, Toronto, Ontario M6P 2N8 (CA).

(74) Agent: **SMART & BIGGAR**; ATTN: KANG, Yoon (Ms.), 438 University Avenue, Suite 1500, Box 111, Toronto, Ontario M5G 2K8 (CA).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: NOVEL COMPOUNDS FOR MODULATING CELL PROLIFERATION

(57) Abstract: Novel styrylacrylonitrile compounds which are useful in treating a variety of cell proliferative disorders such as cancer are disclosed.



WO 2005/092904 A1